

## **The JPSS Proving Ground and Risk Reduction Program - Making the Difference in Operations**

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### **ABSTRACT**

This presentation will focus on the NOAA Joint Polar Satellite System (JPSS) Program's Proving Ground and Risk Reduction (PGRR) initiatives and how it has prepares NOAA users to continuously apply new polar-orbiting capabilities in operations. One of the key elements of the success of the JPSS PGRR Program is working with users to test new or improved capabilities in their operational environment. The presenter will provide information on how the JPSS Program has been able to leverage the resources of existing NOAA Testbeds to ensure that its products ability to effectively integrate into NOAA operations is thoroughly tested. This leads to the identification of needed changes in communications, data formats, or visualization, which the JPSS Program can implement quickly. NWS organizations have welcomed the JPSS team into their operational environment when formal testbeds are not available. Some results: The SNPP Flooding product has pinpointed flooding in remote areas long before it is observed by ground-based observing systems. SNPP NUCAPS soundings are being tested in several Weather Forecast Offices and are planned to be tested in the Spring Experiment at the Severe Storm Prediction Center ATMS and AMSR2 has been evaluated at the National Hurricane Center to help identify fine-scale severe storm and tropical cyclone features in the early stages of their development. Finally, the presenter will provide examples of specific high-impact environmental events where SNPP data has provided critical data to decision-makers.